APR 0 9 2007 THAT & TRADEN

	IN THE UNITED ST	TATES PATE	1A TN	ND TRADE	MARK OF	FICE	
in re l	IN THE UNITED ST Patent Application of)	Group Art	Unit: Una	ssigned	
Danie	el R. Klemer et al.)	Examiner	Unassign	eď	
Applic	cation No.: 10/594,029)	Confirmat	ion No.: Uı	nassigned	
Filing	Date: September 25, 2006		ý				
Title:	OPTICAL LIMITER HAVIN TRIMETALLIC NITRIDE ENDOHEDRAL METALLOFULLERENE F))				
	INFORMA	SECO ATION DISCLO TRANSMITT	OSUF		MENT		
P.O. 1	nissioner for Patents Box 1450 ndria, VA 22313-1450						
Sir:							
form I	Enclosed is a SECOND Ir PTO-1449 for the above-ide				ent (IDS) ar	nd accompanyi	ng
\boxtimes	No additional fee for subm	nission of an II	DS is	required.			
	The fee of 180 as set forth	n in 37 C.F.R.	§ 1.1	7(p) is also	enclosed.		
	A statement under 37 C.F	.R. § 1.97(e) i	s also	enclosed			
	A statement under 37 C.F 37 C.F.R. § 1.17(p) are also		and tl	ne fee of 1	80 as set fo	orth in	
	Charge	to Deposit Ac	count	No. 02-48	00 for the f	fee due.	
	A check in the amount of		is	enclosed	for the fee	due.	
	Charge	to credit card	for th	e fee due.	Form PTC	0-2038 is attacl	hed.
\boxtimes	The Director is hereby aut 37 C.F.R. §§ 1.16, 1.17 ar any overpayment, to Depoduplicate.	nd 1.21 that m	ay be	required b	y this pape	er, and to credi	t
		Respectfu	lly su	bmitted,			
		BUCHANA	AN IN	GERSOLL	AND ROOM	NEY PC	
Date	April 9, 2007	Rv:	lh	. // A	(1)		

Christopher L. North Registration No. 50,433

P.O. Box 1404 Alexandria, VA 22313-1404 1737 King Street, Suite 500 Alexandria, VA 22314-2727 703 836 6620

Buchanan Ingersoll & Rooney PC
Attorneys & Government Relations Professionals

Attorney's Docket No. <u>1034136-000038</u>

APR 0 9 2007

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re F	atent Application of)
Daniel	R. Klemer et al.) Group Art Unit: Unassigned
Applic	ation No.: 10/594,029)) Examiner: Unassigned
Filed:	September 25, 2006) Confirmation No.: Unassigned
For:	OPTICAL LIMITER HAVING TRIMETALLIC NITRIDE ENDOHEDRAL METALLOFULLERENE FILMS	

SECOND INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed. However, copies of the listed U.S. patents and U.S. patent application publications are not enclosed since it is no longer required according to the July 11, 2003 waiver of the requirement for copies of cited U.S. patents and U.S. patent application publications in national patent applications filed after June 30, 2003 and international applications entering the national stage under 35 U.S.C. § 371 after June 30, 2003.

U.S. PATENT DOCUMENTS

- 1. MILLER et al., U.S. Patent No. 6,471,942 B1, issued on October 29, 2002.
- 2. DORN et al., U.S. Patent Publication No. 2004/0054151 A1, published on March 18, 2004.
 - 3. ROBINSON, U.S. Patent No. 6,174,780 B1, issued on January 16, 2001.
- 4 FORREST et al., U.S. Patent Publication No. 2002/0189666 A1, published on December 19, 2002.
 - 5. WHEWELL, U.S. Patent No. 5,269,953, issued on December 14, 1993.
- 6. KAJIURA et al., U.S. Patent Publication No. 2003/0015414 A1, published on January 23, 2003.
- 7. TAKIKAWA et al, U.S. Patent Publication No. 2002/0061638 A1, published on May 23, 2002.

- 8. ANAZAWA et al., U.S. Patent Publication No. 2001/0050219 A1, published on December 13, 2001.
 - 9. ZETTL et al., U.S. Patent No. 6,063,243, issued on May 16, 2000.
- 10. WANG et al., U.S. Patent Publication No. 2002/0182388 A1, published on December 5, 2002.

NON-PATENT LITERATURE DOCUMENTS

- 1. IEZZI, ERICK B. ET AL., "A Symmetric Derivative of the Trimetallic Nitride Endohedral Metallofullerene, Sc₃N@C₈₀," J.AM.CHEM.SOC., 2002, pp. 524-525, Vol. 124, No. 4, American Chemical Society.
- 2. KRATSCHMER, W. ET AL., "Solid C_{60} : a new form of carbon," NATURE, 9/27/90, pp. 354-358, Vol. 347, Nature Publishing Group.
- 3. OLMSTEAD, MARILYN M. ET AL., "Isolation and Crystallographic Characterization of ErSc₂N@C₈₀: an Endohedral Fullerene Which Crystallizes with Remarkable Internal Order," J.AM.CHEM.SOC., 2000, pp. 12220-12226, Vol. 122, No. 49, American Chemical Society.
- 4. STONE, A.J. ET AL., "Theoretical Studies of Icosahedral C₆₀ and Some Related Species," Chem. Physics Ltrs., 8/8/86, pp. 501-503, Vol. 128, No. 5,6, Elsevier Science Publishers B.V.
- 5. TRULOVE, "Filled buckyballs diamonds from soot," article from website http://www.research.vt.edu/resmag/2002winter/buckyballs.html, 9 March 2002 (09.03.2002), available at www.archive.org. (entire document).
- 6. NAGASE et al., Chapter 9: Endohedral metallofullerenes: theory, electrochemistry, and chemical reactions, of Fullerenes: Chemistry, Physics and Technology (Kadish and Ruoff, eds.), 2000, John Wiley and Sons, pp. 395-429.
- 7. WILSON et al., "Advanced materials: fluorous fullerenes and nanotubes," *Tetrahedron*, 2002, vol. 58, pp. 4041-4047, Elsevier Science Ltd.
- 8. SOON et al., "One-dimensional photonic crystal optical limiter", OPTICS EXPRESS, 2003, vol. 58, pp. 2007-2018.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

SECOND Information Disclosure Statement Application No. <u>10/594,029</u> Attorney's Docket No. <u>1034136-000038</u> Page 3

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

By:

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date: April 9, 2007

Christopher L. North

Registration No. 50,433

P.O. Box 1404 Alexandria, VA 22313-1404 703 836 6620 Substitute for form 1449/PTO & 1449B/PTO

SECOND INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	2

	Complete if Known	1011
Application Number	10/594,029	/ 8\
Filing Date	September 25, 2006	APR 0 9 2007
First Named Inventor	KLEMER et al.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Examiner Name	Unassigned	192
Attorney Docket No.	1034136-000038	PADENT

U.S. PATENT DOCUMENTS							
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)			
	6,471,942	B1	Miller et al.	10-29-2002			
	2004/0054151	A1	Dorn et al.	03-18-04			
	6,174,780	B1	Robinson	01-16-2001			
	2002/0189666	A1	Forest et al.	12-19-2002			
	5,269,953		Whewell	12-14-1993			
	2003/0015414	A1	Kajiura et al.	01-23-2003			
	2002/0061638	A1	Takikawa et al.	05-23-2002			
	2001/0050219	A1	Anazawa et al.	12-13-2001			
	6,063,243		Zettl et al.	05-16-2000			
	2002/0182388	A1	Wang et al.	12-05-2002			

		FOREIGN PA	ATENT DOCUMENTS							
				STATUS						
Examiner Initials	Document Number	Kind Code (if known)	Date of Publication (MM-DD-YYYY)	Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
						F L	į i	7 1		ijŢ

	NON-PATENT LITERATURE DOCUMENTS
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	IEZZI, ERICK B. ET AL., "A Symmetric Derivative of the Trimetallic Nitride Endohedral Metallofullerene, Sc ₃ N@C ₈₀ ," J.AM.CHEM.SOC., 2002, pp. 524-525, Vol. 124, No. 4, American Chemical Society
	KRATSCHMER, W. ET AL., "Solid C ₆₀ : a new form of carbon," NATURE, 9/27/90, pp. 354-358, Vol. 347, Nature Publishing Group
	OLMSTEAD, MARILYN M. ET AL., "Isolation and Crystallographic Characterization of ErSc₂N@C₀: an Endohedral Fullerene Which Crystallizes with Remarkable Internal Order," J.SM.VHRM.SOC., 2000, pp. 12220-12226, Vol. 122, No. 49, AmericanChemical Society
	STONE, A.J. ET AL., "Theoretical Studies of Icosahedral C ₆₀ and Some Related Species," Chem. Physics Ltrs., 8/8/86, pp. 501-503, Vol. 128, No. 5,6, Elsevier Science Publishers B.V.
	TRULOVE, "Filled buckyballs - diamonds from soot," article from website
	http://www.research.vt.edu/resmag/2002winter/buckyballs.html, 9 March 2002 (09.03.2002), available at www.archive.org. (entire document).
	NAGASE et al., Chapter 9: Endohedral metallofullerenes: theory, electrochemistry, and chemical reactions, of Fullerenes: Chemistry, Physics and Technology (Kadish and Ruoff, eds.), 2000, John Wiley and Sons, pp. 395-429.
	WILSON et al., "Advanced materials: fluorous fullerenes and nanotubes," <i>Tetrahedron</i> , 2002, vol. 58, pp. 4041-4047, Elsevier Science Ltd.
	SOON et al., "One-dimensional photonic crystal optical limiter", OPTICS EXPRESS, 2003, vol. 11 No. 17, pp. 2007-2018

Examiner	Date
Signature	Considered